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U.S. Patent Application Serial No. 10/741,303

Filed: December 18, 2003

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AMENDMENTS IN CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method, comprising:

defining target rules for detection of target hits in an article, ~~including~~ comprising
defining a target article region and a target definition comprising at least one concept;

defining extraction rules based on the target rules for the extraction of extracts
from the article, ~~including~~ comprising defining an extraction article region;

applying target rules to each target article region of the article to determine target
hits; and

applying extraction rules to detect at least one extract from the article based on ~~the~~
at least one determined target hit.

2. (Original) The method of claim 1, wherein a plurality of target hits are detected
and a plurality of extracts are extracted.

3. (Original) The method of claim 2, further comprising sorting the extracts based on
the extraction rules.

4. (Original) The method of claim 1, further comprising extracting at least one
extract from the article based on the determined target hit.

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5. (Currently Amended) The method of claim 1, wherein the target rules further comprise ~~a target definition and a~~ target score formula.
6. (Currently Amended) The method of claim ~~1~~5, wherein applying the target rules comprises using the target score formula to detect target hits.
7. (Currently Amended) The method of claim ~~5~~1, wherein the target definition further comprises a concept set, a gist or both.
8. (Original) The method of claim 7, wherein the concept set is a list of concepts.
9. (Original) The method of claim 8, wherein concepts in the list of concepts are produced by set operations on multiple lists of concepts.
10. (Original) The method of claim 7, wherein a gist comprises weighted concepts.
11. (Original) The method of claim 7, wherein the gist is user defined or is a calculated gist of the article.
12. (Original) The method of claim 1, wherein the target article region is a article, a sentence or a term.

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13. (Original) The method of claim 1, wherein the extraction article region is a article, a sentence or a term.

14. (Original) The method of claim 1, wherein the article is preprocessed to determine concepts contained in the article and a gist for the article.

15. (Currently Amended) A computer-readable medium containing program code, comprising:

program code for defining target rules for detection of target hits in an article, ~~including~~comprising defining a target article region and a target definition comprising at least one concept;

program code for defining extraction rules based on the target rules for the extraction of extracts from the article, ~~including~~comprising defining an extraction article region;

program code for applying target rules to each target article region of the article to determine target hits; and

program code for applying extraction rules to detect at least one extract from the article based on ~~the~~at least one determined target hit.

16. (Original) The computer-readable medium of claim 15, wherein a plurality of target hits are detected and a plurality of extracts are extracted.

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17. (Original) The computer-readable medium of claim 16, further comprising program code for sorting the extracts based on the extraction rules.

18. (Original) The computer-readable medium of claim 15, further comprising program code for extracting at least one extract from the article based on the determined target hit.

19. (Currently Amended) The computer-readable medium of claim 15, wherein the target rules further comprise ~~a target definition and a target score formula.~~

20. (Currently Amended) The computer-readable medium of claim ~~15~~19, wherein applying the target rules comprises using the target score formula to detect target hits.

21. (Currently Amended) The computer-readable medium of claim ~~19~~15, wherein the target definition further comprises a concept set, a gist or both.

22. (Original) The computer-readable medium of claim 21, wherein the concept set is a list of concepts.

23. (Original) The computer-readable medium of claim 22, wherein concepts in the list of concepts are produced by set operations on multiple lists of concepts.

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24. (Original) The computer-readable medium of claim 21, wherein a gist comprises weighted concepts.

25. (Original) The computer-readable medium of claim 21, wherein the gist is user defined or is a calculated gist of the article.

26. (Original) The computer-readable medium of claim 15, wherein the target article region is a article, a sentence or a term.

27. (Original) The computer-readable medium of claim 15, wherein the extraction article region is a article, a sentence or a term.

28. (Original) The computer-readable medium of claim 15, wherein the article is preprocessed to determine concepts contained in the article and a gist for the article.

29. (New) The method of claim 1, wherein the concept is defined by a group of related words, relationships with other concepts, the strength of the relationships, and statistics about the concept usage in language.

30. (New) A method, comprising:

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defining target rules for detection of target hits in an article, comprising defining a target article region, a comparison method, and a target definition comprising at least one of a concept, a concept set, or a gist;

defining extraction rules for the extraction of extracts from the article, comprising defining an extraction article region and at least one target rule to which the extraction rules relate;

applying target rules to each target article region of the article to determine a target score for each target article region; and

applying extraction rules to detect at least one extract associated with at least one target article region from the article based at least in part on the target score for the at least one target article region.

31. (New) The method of claim 30, further comprising:

determining a plurality of extracts based on the extraction rules;
ranking the extracts; and
outputting the extracts.

32. (New) The method of claim 30, wherein the gist is a vector of weighted concepts.

33. (New) The method of claim 30, wherein the concept is defined by a group of related words, relationships with other concepts, the strength of the relationships, and statistics about the concept usage in language.

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34. (New) The method of claim 30, wherein the comparison method is one of an associated categorization-like method, an inverse categorization-like method, a similarity to gist method, or a concept set hit method.